

Garant
GARANT Master INOX solid carbide slot drill HPC, TiAlN, Ø e8 DC: 16 mm

Order data

Order number	201647 16
GTIN	4062406113537
Item class	11X

Description
Version:

Double relief ground **2 chamfers hollow ground** for use in **HPC applications**.

Greater oxidation resistance and high-temperature hardness.

Can be used at high cutting speeds, particularly suitable even for Toolox®.

Note:

Successor product to No. 201644.

Tolerance nominal Ø: e8

No. of teeth Z: 2

Helix angle: 50 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length L_c : 32 mm

Overhang length L_1 incl. recess: 44 mm

Recess Ø D_1 : 15.7 mm

Overall length L: 92 mm

Shank Ø D_s : 16 mm

Technical description

Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	2
Helix angle	50 degrees
Recess Ø D_1	15.7 mm

Feed f_z for slot milling in stainless steel $< 900 \text{ N/mm}^2$	0.09 mm
Shank $\varnothing D_s$	16 mm
Corner chamfer width at 45°	0.3 mm
Overhang length L_1 incl. recess	44 mm
Feed f_z for side milling in INOX $< 900 \text{ N/mm}^2$	0.11 mm
Tolerance nominal \varnothing	e8
Shank	DIN 6535 HA to h6
Overall length L	92 mm
Cutting edge $\varnothing D_c$	16 mm
Flute length L_c	32 mm
Corner chamfer angle	45 degrees
Series	GARANT Master INOX
Coating	TiAlN
Tool material	solid carbide
Standard	DIN 6527
Type	N
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 16 mm	SZ2025 16
Shank grinding Type HB	129100 HB

